What is claimed is:

- A method for inhibiting macrophage infiltration at the site of a central nervous system injury comprising the step of administering to an individual an effective amount of an anti-a monoclonal antibody.
- 2. The method according to claim 1 wherein the anti- α_d monoclonal antibody blocks binding between α_d and a binding partner.
- The method according to claim 2 wherein the binding partner is VCAM-1.
- 4. The method according to claim 1 where the anti- α_d monoclonal antibody is selected from the group consisting of the monoclonal antibody secreted by hybridoma 226H and the monoclonal antibody secreted by hybridoma 236L.
- 5. The method according to any one of claims 1 through 4 wherein the central nervous system injury is a spinal cord injury.
- 6 A method for reducing inflammation at the site of a central nervous system injury comprising the step of administering to an individual an effective amount of an anti- α_d monoclonal antibody.
- 7. The method according to claim 6 wherein the anti- α_d monoclonal antibody blocks binding between α_d and a binding partner.
- The method according to claim 7 wherein the binding partner is VCAM-1.
- 9. The method according to claim 6 where the anti- α monoclonal antibody is selected from the group consisting of the monoclonal antibody secreted by

hybridoma 226H and the monoclonal antibody secreted by hybridoma 236L.

- 10. The method according to any one of claims 6 through 9 wherein the central nervous system injury is a spinal cord injury.
- 11. A method for modulating TNF α release from macrophages comprising the step of contacting said macrophages with an affective amount of an immunospecific α_d monoclonal antibody.
- 12. A method for modulating TNF α release from splenic phagocytes comprising the step of contacting said phagocytes with an affective amount of an immunospecific α_d monoclonal antibody.
- 13. The method according to claim 12 where in the anti- α_d monoclonal antibody inhibits TNF α release.
- 14. The method according to claim 13 wherein the immunospecific anti- α_d monoclonal antibody is selected from the group consisting of the monoclonal antibody secreted by hybridoma 205C and the monoclonal antibody secreted by hybridoma 205E.

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